

Title (en)

Circuit for the determination of errors in a magnetic-inductive flowmeter arrangement

Title (de)

Schaltungsanordnung zur Ermittlung von Fehlern in einer magnetisch-induktiven Durchflussmessanordnung

Title (fr)

Circuit pour la détermination des erreurs d'un débitmètre magnétique-inductif

Publication

EP 0521448 B1 19990317 (DE)

Application

EP 92111033 A 19920630

Priority

DE 4122225 A 19910704

Abstract (en)

[origin: EP0521448A2] The invention relates to a circuit arrangement for determining errors in a magnetic-inductive flowmeter arrangement through which an electrically conductive measurement material flows which is held at a reference potential, and in which the measurement material can be brought into contact with at least two electrodes which emit measurement signals to inputs of an evaluation circuit allocated to them, characterised in that the evaluation circuit has an alarm transmitter circuit connected upstream of it, which emits an alarm signal in the event of the magnitudes (@+Us@, @-Us@) of the signal voltages derived from the electrodes not being equal, and/or in the event of the noise components of the signal voltages derived from the electrodes not being equal and/or in the event of a disturbance of a radio-frequency signal UG in a circuit which contains the electrodes and a radio-frequency generator which emits the radio-frequency signal UG. <IMAGE>

IPC 1-7

G01F 1/60

IPC 8 full level

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CPC (source: EP US)

G01F 1/60 (2013.01 - EP US)

Citation (examination)

SCHOMMARTZ: "Induktive Strömungsmessung", VEB VERLAG TECHNIK, BERLIN

Cited by

EP0814324A1; US5426984A; EP0791806A3; DE10256103B4; EP1536210A3; NO340733B1; US6834555B2; US7788046B2; WO9506857A1; WO2008116798A1; WO9637758A1

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